and for promoting the Scheduled Caste/Scheduled Tribe employees in accordance with the reservation rules?

THE MINISTER OF STATE OF THE MINISTRY OF CHEMICALS AND FERTILIZERS (SHRI SIS RAM OLA). (a) to (f). The information is being collected and will be laid on the table of the House.

Research and Development in Agriculture

556. SHRI LALIT ORAON : Will the Minister of AGRICULTURE be pleased to state :

(a) the total amount spent for the purpose of research and development in Agriculture during each of the last three years. State-wise:

(b) the details of the research work being pursued in various Institutions in the country during the current year, 1996-97; and

(c) the achievements made in this regard?

THE MINISTER OF AGRICULTURE (EXCLUDING THE DEPARTMENT OF ANIMAL HUSBANDRY AND DAIRYING) (SHRI CHATURANAN MISHRA) : (a) The amount spent on agricultural R and D by the Indian Council of Agricultural Research during the last three years are given below. State-wise details are not available as some of the ICAR Institutions have their sub-centres scattered in many states.

Year	Amount (Rs. in crore)
1993-94	441.99
1994-95	494.17
1995-96	521.88

(b) and (c). Please see Statement enclosed

STATEMENT

The details of Research work being pursued and Achievement made by ICAR Institutions

The salient achievements are maintenance of 130000 accessions in Indian National Gene Bank, collection and evaluation of diversity in agri-horticulture plants and their exploitation, identification/release of number of varieties of different crops including horticultural plants of fruits and vegetables, identifying promising biological control measures for insects and integrated pest management strategy, development of technology for the production of disease free seed, post harvest technologies and equipments, finalization soil maps of Maharashtra, Rajasthan and Pubjab, identifying important cropping systems, fabrication of a hydraulic conductivity meter for estimating the conductivity of compressed mud blocks development of good operated cotton giving measures for small samples, groundnut pod grader and spherical fruit grader, equipme package for honey extraction, water chestnut decorticat and chewnut sheller and process for quick cooking rice, diversified urea of lac preparing writing/printir papers, solar driers for onions location specific surfac and subsurface techniques for drainage.

In animal science 2.5 lack straws of 47 friesw bulls have been frozen, Bharat Merino Sheep with 9 percent survival and 85 percent lambing has bee identified. For improvement programmes 123 sheep have been supplied to breeder.

Hen house production of 275 eggs by ILM 90 is st a record at Random Sample test for the country. simple reliable and efficient test DOT. ELISA has bee developed for detection of *Theileria* infection under fie conditions. A number of processes have bee developed for milk products e.g. manufacture of lc cholesterol mozarolla cheese, cheese spread powe rusgulla mix, whey based mushroom soup power instant mix for pizza etc.

In fisheries major achievements are establishing running water aquaculture system consisting 27 Cister of 10 M3 capacity with control flow rate upto 201/se fabrication of low cost family operated backyard hatche for seed raising of *Macrobrachium rosenbergii* achievi a record production of about 0.84 lakh fry of endanger Himalayan mahseer.

The Council has established a network of 261 Kri Vigyan Kendras in which all the transfer of technolc programmes of ICAR have been integrated for impart on-farm training in different aspects of agricultu animal science and fisheries and allied vocations. Dur the year about 2.51 lakh famers, farm women and ru youths were trained in various aspects of agricult production through extension activities of KV including field days, Kisan Melas/Goshties, grc discussions, exhibitions, women fair, clinical cam video and film shows and radio and TV covera Technologies are geneted through chain of institutic and projects to meet the requirements of farm community.

A major achievement in Agricultural Educatior setting up of Computer centres which would be lin through ARIS programme and scientists would h connectively to worldwide literature. Twelve girls hos and 8 boys hostels have been constructed, about faculty teachers from SAUs provided assistance international conferences to interact with scient overseas in selected important areas. Boarc Management of Central Agricultural Universi constituted and foundation stone for College Veterinary Science under the university Aldi. For adva training sources established 36 Centres of Adva Studies under different disciplines. Under World E assisted National Agricultural Research Projects strengthening the regional research capabilities of S. 131 scientists were trained in computer opera

support provided to 120 Zonal Research Centres and 201 scientists were also trained abroad in specialised areas. Another World Bank Project "Agricultural Human Resource Development" was launched on August 14, 1995 in first phase Agricultural/Veterinary universities of in which Andhra Pradesh, Haryana, Tamil Nadu are participating.

To promote objectives of ICAR in international arena, DARE cooperates with agricultural related foreign institutes/organisations through foreign-aided projects/ MoUs/Workplans, financial/technical assistance and participation in international seminars/conferences. The major projects launched during the year include World Bank assisted projects viz. (i) Agricultural Human Resource Development Project (ii) Sustainable Rainfed Agricultural Development Project with Japanese assistance under World Bank's aegis.

Short term and long term trainings were provided to foreign nationals under different training programmes e.g. Colombo Plan, Nepal Aid Fund, Indo-Iranian Work Plan, FAO etc. About 84 candidates joined different programme of SAUs and ICAR Institutes.

[English]

C.I.S.F. Personnels deployed in Public Undertakings

557. DR. JAYANTA RONGPI : Will the Minister of HOME AFFAIRS be pleased to state :

(a) the number of CISF personnels deployed in various public undertakings unit-wise with duration of deployment;

(b) the amount spent by the respective public sector undertakings annually on account of such deployment; and

(c) the details of the criterion or justification of such deployment?

THE MINISTER OF STATE IN THE MINISTRY OF HOME AFFAIRS (SHRI MOHD. MAQBOOL DAR) : (a) and (b) A statement is attached.

(c) CISF is deployed based on the need i.e. assessment of manpower is made with reference to induction norms already prescribed for this purpose.

STATEMENT

S.No.	Name of the PSUs	Date of Induction	Strength	Expenditure of PSUs during 1995-96
1	2	3	4	5
1.	HFCL Haldia	08.01.72	249	1,29,34,945
2.	HFCL Namrup	13.09.75	225	1,06,59,439
3.	FCI New Jalpaiguri	15.05.72	107	65,81,894
4.	KCC Khetri	08.10.71	398	1,85,20,338
5.	BALCO Koreba	05.10.73	260	1,15,04,961
6.	HFC Haldia	22.09.71	433	2,29,26,849
7.	ASP Durgapur	20.09.70	552	3,04,24,419
8.	IPCL Baroda	17.07.72	581	2,84,43,887
9.	NIL Jadavpur	19.09.71	43	17,37,624
10.	DVC Dankuni	09.02.83	110	55,58,249
11.	BRPL Bongaigaon	16.11.76	333	77,87,980
12.	SAIL (SY) Paharpur	04.09.77	91	49,61,839
13.	NPPCL Nagaland	25.02.77	78	55,00,960
14.	CPP Cachar	15.09.82	184	94,13,889
15.	FSTPP Farakka	15.06.81	617	2,95,93,875
16.	SMPL Vadinar	01.12.81	99	50,35,415
17.	KSTPP Korba	02.12.81	420	2,00,27,281
18.	DVC HQrs Calcutta	01.01.82	57	33,91,038
19.	DTPS Durgapur	02.03.82	384	2,23,29,575
20.	R NMP Nawagaon	07.03.83	224	1,11,14,412
21.	ECL Seetalpur	15.07.83	1274	8,77,05,976